

REMARKS

Claims 2, 4 and 12-29 have been canceled without prejudice or disclaimer. Claims 1, 3, 6-9 and 11 have been amended. New claims 30-72 have been added. Support for the amendments and new claims can be found throughout the specification and the claims as filed. This application presently contains claims 1, 3, 5-11 and 30-72. No new matter is added by these amendments. Applicant respectfully requests entry of the foregoing amendments.

Submitted herewith is a Sequence Listing in compliance with 37 C.F.R. §§ 1.821-1.825. Sequence Listing pages 1 through 44 are submitted herewith containing Sequences 1 through 223, formatted in accordance with the conventions set forth by PatentIn. Accompanying the Sequence Listing is a Statement Regarding Sequence Submission, as well as a copy of the sequence listing in computer readable form (CRF). The specification has been amended to insert SEQ ID NOS corresponding to the Sequence Listing submitted herewith. Entry of these pages and amendment to the specification is respectfully requested.

Regarding the Objections to the Claims

The objection to claims 1, 3 and 5-11 for informalities is respectfully traversed. The claims have been amended to correct informalities as suggested by the Examiner. Accordingly, Applicant respectfully requests that the objections be withdrawn.

Rejection Under 35 U.S.C. § 112, Second Paragraph

Claims 1, 3 and 5 stand rejected under 35 U.S.C. § 112, second paragraph, as allegedly indefinite. Applicant respectfully disagrees, but in order to facilitate prosecution, claims 1, 3 and 5 have been amended. Accordingly, Applicant respectfully requests that this rejection be withdrawn.

Rejection Under 35 U.S.C. § 103

The rejection of claims 1, 3 and 5 under 35 U.S.C. § 103 as allegedly obvious over Uijtewaal et al., EP 0416752 A1, Leone et al., Nuc. Acids Res. 26:2150-2155 (1998) and Heid et

al., Gen. Res., 6:986-995 (1996), is respectfully traversed. Applicant respectfully submits that the claims are unobvious over the cited references.

Applicant respectfully submits that the cited references do not teach or suggest the claimed processes. Absent such a teaching or suggestion, the cited references cannot render the claims obvious. Accordingly, Applicant respectfully requests that this rejection be withdrawn.

The presently pending claims are believed to be in condition for immediate allowance. Accordingly, the Examiner is respectfully requested to pass this application to issue. The Examiner is respectfully requested to contact Applicant's undersigned representative at 202.942.5512 to address any unresolved issues remaining in this application.

Respectfully submitted,

A handwritten signature in black ink, reading "Rachel L. Adams". The signature is written in a cursive, flowing style.

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Date: February 6, 2006

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